

REMARKS

Claims 1-56, 58-90, and 92-93 were pending. Of these claims, claims 7, 51-56, and 85-90 were withdrawn from consideration. None of the claims has been amended.

Applicant respectfully notes that although the Examiner indicated consideration of six Information Disclosure Statements, he did not indicate consideration of the Information Disclosure Statements that were received by the USPTO on February 12, 2001, February 26, 2001, July 28, 2003, September 15, 2003, November 12, 2003, February 24, 2004, and October 18, 2004. In order to expedite prosecution of this application, Applicant has enclosed duplicate copies of these Information Disclosure Statements and stamped postcards showing that they were received by the USPTO on these dates. **Applicant respectfully requests that the Examiner indicate consideration of the documents submitted with these Information Disclosure Statements by initialing the PTO-1449 forms submitted therewith, and attaching same to the next communication to Applicant.**

Claims 12, 17, 23, and 29 stand rejected under 35 U.S.C. § 112, second paragraph, as being incomplete for omitting essential elements. Applicant respectfully traverses. The Examiner did not indicate which elements were omitted (if any). On February 15, 2005, the undersigned attorney and the Examiner discussed this rejection over the phone. The Examiner stated that he did not mean to include this rejection and that Applicant should ignore the rejection.

Claims 1-6, 8-11, 37-46, 50, 58-59, 75-80, 84, and 92-93 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Sharma. Applicant respectfully traverses. The filing date of Sharma is February 11, 2000. Applicant's invention was reduced to practice in the United States prior to February 11, 2000. Therefore, Applicant submits a declaration and appropriate attached exhibit according to 37 C.F.R. § 1.131 to overcome Sharma.

Claims 47-49 and 81-83 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharma in view of Official Notice. Applicant respectfully traverses. These claims depend from their respective base claims, which are patentable over Sharma. In addition, these claims recite other features not included in their respective base claims. Thus, claims 47-49 and 81-83 are patentable over Sharma in view of Official Notice. Additionally, for the record, Applicant traverses the Examiner's assertions concerning the disclosure of Official Notice and the motivation to combine Sharma and Official Notice.

Claims 12-36 and 60-74 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharma in view of Deianov. Applicant respectfully traverses. The filing date of Deianov is February 4, 2000. Applicant's invention was reduced to practice in the United States prior to February 4, 2000. Therefore, Applicant submits a declaration and appropriate attached exhibit according to 37 C.F.R. § 1.131 to overcome Deianov.

Applicant submits that this declaration under 37 C.F.R. § 1.131 to overcome Sharma and Deianov could not have been submitted previously, because the Examiner cited Sharma and Deianov for the first time in the Office Action dated January 26, 2005.

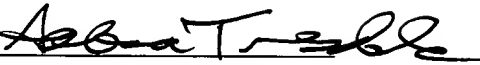
Applicant respectfully requests consideration of the declaration and attached exhibit and a notice of allowance concerning pending claims 1-56, 58-90, and 92-93. If the Examiner believes that the declaration and attached exhibit are in any way insufficient to overcome Sharma and Deianov according to 37 C.F.R. § 1.131, Applicant respectfully requests that the Examiner contact the undersigned attorney by telephone to discuss the matter.

Favorable action is hereby solicited.

Respectfully submitted,

PAWAN GOYAL

Dated: 3-3-05

By: 

Sabra-Anne R. Truesdale

Reg. No. 55,687

Fenwick & West LLP

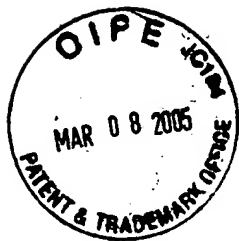
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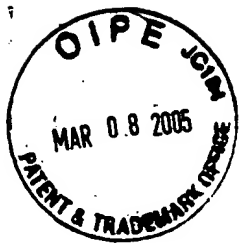


Date Mailed: 2/9/01 Atty/Sec: JB/cck Filing Date: February 14, 2000
Serial No. 09/503,975 Docket No.: 21816-04464
Applicant: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

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21816/04464/DOCS/1142563.1



PATENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANTS: Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of Specific
Network Addresses
EXAMINER: Not yet known
GROUP ART UNIT: 2759
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: 2/9/01 By: A.C. Smith
Albert C. Smith, Reg. No.: 20,355

COMMISSIONER FOR PATENTS
WASHINGTON, DC. 20231

INFORMATION DISCLOSURE STATEMENT
Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. A copy is enclosed herewith of each listed reference which may be material to the examination of this application, and with respect to which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).

The Information Disclosure Statement submitted herewith is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first official action on the merits, whichever event last occurred; OR
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either:
- (1) a final action under 37 CFR § 1.113; OR
- (2) a notice of allowance under 37 CFR § 1.311; AND
- ☐ attached hereto is the fee of \$180, as set forth under 37 CFR § 1.17(p), for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement.
- OR
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either:

- [1] a final action under 37 CFR § 1.113; OR
- [2] a notice of allowance under 37 CFR § 1.311; AND
- in accordance with the requirements of 37 CFR § 1.97(d):
- ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND
- ☐ Applicant hereby respectfully petitions for the consideration of the accompanying Information Disclosure Statement under 37 CFR § 1.97(d)(2); AND
- ☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

☒ Applicant submits that no fee is required for the consideration of the accompanying Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 2/9/01

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Fax.: (650) 494-1417

FORM PTO-1449 (REV. 8-89)		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		Attorney's Docket No. 21816-04464	Serial No. 09/503,975
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant Pawan Goyal	
				Filing Date February 14, 2000	Group Art Unit 2759

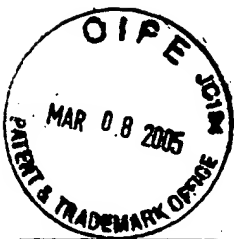
U.S. PATENT DOCUMENTS									
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate			
	A 6 0 7 5 9 3 8	06/13/00	Bugnion et al.	395	500.48	06/10/98			

FOREIGN PATENT DOCUMENTS									
	Document Number	Date	Country	Class	Subclass	Translation			
						Yes	No		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
B	Keshav, S., <i>An Engineering Approach to Computer Networking: ATM Networks, the Internet, and the Telephone Network</i> , Reading, MA, Addison-Wesley, 1997, pp vii-xi, 85-115, 209-355, 395-444	
C	Stevens, R. W., <i>UNIX Network Programming Volume 1 Networking APIs: Sockets and XTI</i> , Upper Saddle River, NJ, Prentice Hall, 1998, pp v-xiv, 29-53, 85-110, 727-760	
D	Tanenbaum, A. S. and Woodhull, A. S., <i>Operating Systems: Design and Implementation</i> , Upper Saddle River, NJ, Prentice Hall, 1997, pp vii-xiv, 1-46, 401-454	
E	Rubini, A., <i>LINUX Device Drivers</i> , Sebastopol, CA, O'Reilly & Associates, Inc., 1998, pp v-x, 13-40	
F	Goyal, P., et al., "A Hierarchical CPU Scheduler for Multimedia Operating Systems," <i>Proceedings of the Second Symposium on Operating Systems Design and Implementations (OSDI'96)</i> , Seattle, WA, October 1996, 15 pages	
G	Laurie, B. and Laurie, P., <i>Apache The Definitive Guide</i> , Sebastopol, CA, O'Reilly & Associates, Inc., February 1999, pp v-viii, 43-74	
H	Aho, A. V. and Ullman J. D., <i>Principles of Compiler Design</i> , Reading, MA, 1977, pp vii-x, 359-362, 519-522	
I	Jonsson, J., "Exploring the Importance of Preprocessing Operations in Real-Time Multiprocessor Scheduling," <i>Proc. of the IEEE Real-Time Systems Symposium - Work-in-Progress session</i> , San Francisco, CA, December 4, 1997, pp 31-34	
J	Rusling, D. A., Processes, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node44.html >	
K	Rusling, D. A., Linux Processes, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node45.html >	
L	Rusling, D. A., Identifiers, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node46.html >	
M	Rusling, D. A., Scheduling, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node47.html >	
N	Rusling, D. A., Scheduling in Multiprocessor Systems, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node48.html >	
O	Rusling, D. A., Files, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node49.html >	

EXAMINER	DATE CONSIDERED
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Sheet 2 of 2

FORM PTO-1449 (REV. 6-89) INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	Attorney's Docket No. 21816-04464	Serial No. 09/503,975
	Applicant Pawan Goyal		
	Filing Date February 14, 2000	Group Art Unit 2759	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	P	Plummer, D. C., <i>An Ethernet Address Resolution Protocol -- or -- Converting Network Protocol Addresses to 48.bit Ethernet Address for Transmission on Ethernet Hardware</i> , November 1982, [online], [retrieved on 1-17-2000]. Retrieved from the Internet: <URL: http://www.msg.net/kadow/answers/rfc/rfc826.txt >
	Q	Huang, X. W. et al., "The ENTRAPID Protocol Development Environment," <i>Proceedings of IEEE Infocom'99</i> , March 1999, nine pages
	R	Duffield, N.G., et al., "A Flexible Model for Resource Management in Virtual Private Networks," <i>Computer Communication Review Conference, Computer Communication, ACM SIGCOMM '99 Conference</i> , Cambridge, MA, 8/30/99-9/3/99. pp 95-108
	S	Campbell, A. T. and Keshav, S., "Quality of Service in Distributed Systems," <i>Computer Communications</i> 21, 1998, pp 291-293
	T	Bach, M. J., <i>The Design of the Unix® Operating System</i> , New Delhi, Prentice-Hall of India, 1989, pp v-x, 19-37
	U	McDougall, R., et al., <i>Resource Management</i> , Upper Saddle River, NJ, Prentice Hall, 1999, pp iii-xix, 135-191
	V	Rijsinghani, A., RFC 1624, May 1994, [online], [retrieved 02-02-2000]. retrieved from the internet: <URL: http://www.faqs.org/rfcs/rfc1624.html >
	W	Mallory, T and Kullberg, A., RFC 1141, January 1990 [online], [retrieved 02-02-2000]. retrieved from the Internet: <URL: http://www.faqs.org/rfcs/rfc1141.html >
	X	Egevang, K. and Francis P., RFC 1631, May 1994 [online], [retrieved 02-02-2000]. retrieved from the Internet: <URL: http://www.faqs.org/rfcs/rfc1631.html >

EXAMINER	DATE CONSIDERED
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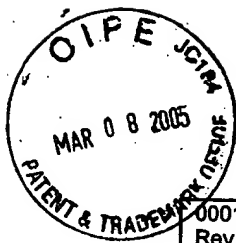
21816/04464/DOCS/1142371.1



Date Mailed: 9/11/03 | Atty/Sec: JB/ck | Filing Date: February 14, 2000
Application No.: 09/503,975 | Docket No.: 21816-04464
Applicants: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
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Transmittal
IDS, PTO/SB/08A and cited references A-C





PTO/SB/21 (modified)
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TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>	0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/503,975
			Filing Date	February 14, 2000
			First Named Inventor	Pawan Goyal
			Group Art Unit Number	2134
			Examiner Name	Thomas M. Ho
Total Number of Pages in This Submission		5*	Attorney Docket Number	21816-04464

ENCLOSURES (check all that apply)	
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REMARKS: *Total Number of Pages in This Submission does not include cited references.

SIGNATURE OF ATTORNEY OR AGENT		
Signature:		
Attorney/Reg. No.:	Jeffrey Brill, Reg. No. 51,198	Dated: 9/11/03

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Signature:		
Typed or Printed Name:	Jeffrey Brill	Dated: 9/11/03
Express Mail Mailing Number (optional):		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Thomas M. Ho
GROUP ART UNIT: 2134
ATTY. DKT. NO.: 21816-04464

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Dated: 2/11/03

By:

Jeffrey Brill, Reg. No.: 51,198

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

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- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

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foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

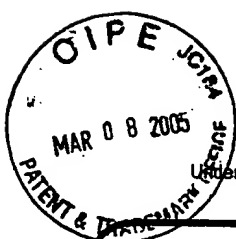
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No.[APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 9/11/03

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application No.	09/503,975
				Filing Date	February 14, 2000
				First Named Inventor	Pawan Goyal
				Art Unit	2134
				Examiner Name	Thomas M. Ho
Sheet	1	of	1	Attorney Docket Number	21816-04464

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A	US-6,393,484 B1	05/21/2002	Massarani
	B	5,978,373	11/02/1999	Hoff et al.
	C	5,920,699	07/06/1999	Bare

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS			
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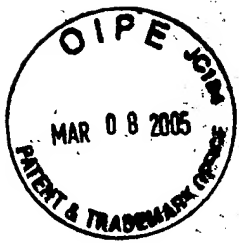
21816/04464/DOCS/1374853.1

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

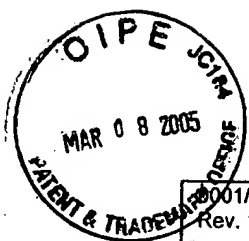
¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Date Mailed: 7/25/03 | Attv/Sec: SAT/dkc | Filing Date: February 14, 2006
Application No.: 09/503,975 | Docket No.: 21816-04464
Applicants: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
Please imprint Patent Office "date stamp" hereon to indicate receipt and return card to addressee.

Transmittal
IDS, PTO/SB/08A and cited references





PTO/SB/21 (modified)
Approved for use through xx/xx/xx, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

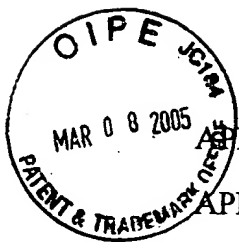
8001/PTO Rev. 10/95		U.S. Department of Commerce Patent and Trademark Office	
TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>		Application Number	09/503,975
		Filing Date	February 14, 2000
		First Named Inventor	Pawan Goyal
		Group Art Unit Number	2131
		Examiner Name	Gail O. Hayes
Total Number of Pages in This Submission	6**	Attorney Docket Number	21816-04464

ENCLOSURES (check all that apply)	
<input type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Check Enclosed	<input type="checkbox"/> Issue Fee Transmittal
<input checked="" type="checkbox"/> Return Receipt Postcard	<input type="checkbox"/> Letter to Chief Draftsperson
<input type="checkbox"/> Response to Notice to File Missing Parts	<input type="checkbox"/> Formal Drawing(s): [] Sheet(s) of Figure(s) []
<input type="checkbox"/> Assignment & Recordation Cover Sheet	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Declaration	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Power of Attorney	<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Application Data Sheet	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input checked="" type="checkbox"/> Copies of IDS Cited References	<input type="checkbox"/>
<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/>
<input type="checkbox"/> Request for Correction of Recorded Assignment	<input type="checkbox"/>
<input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final	<input type="checkbox"/>
<input type="checkbox"/> Status Request	<input type="checkbox"/>
<input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/>

REMARKS: ** "Total Number of Pages in This Submission" does not include cited references.

SIGNATURE OF ATTORNEY OR AGENT		
Signature:		
Attorney/Reg. No.:	Jeffrey Brill, Reg. No. 51,198	Dated: 7/25/03

CERTIFICATE OF MAILING		
I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.		
Signature:		
Typed or Printed Name:	Jeffrey Brill	Dated: 7/25/03
Express Mail Mailing Number (optional):		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Gail O. Hayes
GROUP ART UNIT: 2131
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated: 7/25/03

By: Jeffrey Brill

Jeffrey Brill, Reg. No.: 51,198

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

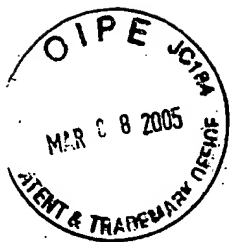
SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;



- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

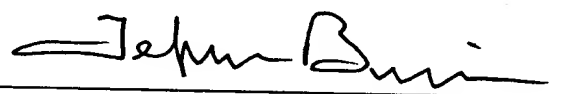
foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No.[APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 7 / 25 / 03

By: 
Jeffrey Brill, Reg. No.: 51,198
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7291
Fax.: (650) 938-5200



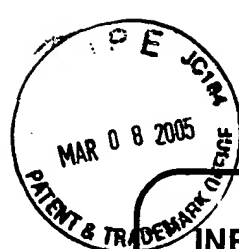
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known		
			Application No.	09/503,975	
			Filing Date	February 14, 2000	
			First Named Inventor	Pawan Goyal	
			Art Unit	2131	
			Examiner Name	Gail O. Hayes	
Sheet	1	of	2	Attorney Docket Number	21816-04464

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A	US-6,553,413	04-22-2003	Leighton et al.
	B	US-6,529,950	03-04-2003	Lumelsky et al.
	C	US-6,499,137	12-24-2002	Hunt
	D	US-6,487,578	11-29-2002	Ranganathan
	E	US-6,434,631	08-13-2002	Bruno et al.
	F	US-6,385,638	05-07-2002	Baker-Harvey
	G	US-6,363,053	03-26-2002	Schuster et al.
	H	US-6,353,616	03-05-2002	Elwalid et al.
	I	US-6,351,775	02-26-2002	Yu
	J	US-6,336,138	01-01-2002	Caswell et al.
	K	US-6,327,622	12-04-2001	Jindal et al.
	L	US-6,314,558	11-06-2001	Angel et al.
	M	US-6,286,047	09-04-2001	Ramanathan et al.
	N	US-6,282,703	08-28-2001	Meth et al.
	O	US-6,279,040	08-21-2001	Ma et al.
	P	US-6,279,039	08-21-2001	Bhat et al.
	Q	US-6,247,057	06-12-2001	Barrera
	R	US-6,240,463	05-29-2001	Benmohamed et al.
	S	US-6,230,203	05-08-2001	Koperda et al.
	T	US-6,172,981	01-09-2001	Cox et al.
	U	US-6,154,778	11-28-2000	Koistinen et al.
	V	US-6,154,776	11-28-2000	Martin
	W	US-6,108,701	08-22-2000	Davis et al.
	X	US-6,094,674	07-25-2000	Hattori, et al.
	Y	US-6,092,178	07-18-2000	Jindal et al.

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application No.	09/503,975
Filing Date	February 14, 2000
First Named Inventor	Pawan Goyal
Art Unit	2131
Examiner Name	Gail O. Hayes
Attorney Docket Number	21816-04464

Sheet 2 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	Z	US-6,055,617	04-25-2000	Kingsbury
	AA	US-6,038,609	03-14-2000	Geulen
	BB	US-6,038,608	03-14-2000	Katsumanta
	CC	US-5,999,963	12-07-1999	Bruno et al.
	DD	US-5,987,524	11-16-1999	Yoshida et al.
	EE	US-5,933,603	08-03-1999	Vahalia, et al.
	FF	US-5,915,095	06-22-1999	Miskowiec
	GG	US-5,905,859	05-18-1999	Holloway, et al.
	HH	US-5,799,173	08-25-1998	Gossler et al.
	II	US-5,719,854	02-17-1998	Choudhury et al.
	JJ	US-5,640,595	06-17-1997	Baughner et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

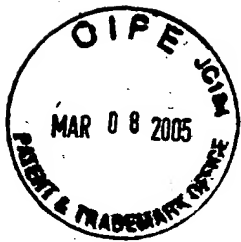
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	KK	Symbol Table, [online] copyright 1997, 1998, [Retrieved on April 4, 2003] Retrieved from the internet < URL: http://216.239.33.100/search?q=cache:eASXk8qC_-AC:www.caldera.com/developers/gabi/1998-04-29/ch4.s...], Pages 1-5	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

21816/04464/DOCS/1365859.1



Date Mailed: 2/21/01 Atty/Sec: JB/cck Filing Date: February 14, 2000

Serial No. 09/503,975

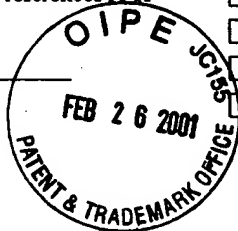
Docket No.: 21816-04464

Applicant: Pawan Goyal

Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

Please imprint Patent Office "date stamp" hereon to indicate receipt and then return card to addressee

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|-----------------------------------------------------------------------------|----------------------------------------------------------------|
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| <input type="checkbox"/> Fee Transmittal (in duplicate) | <input type="checkbox"/> Request to Correct Filing Receipt |
| <input type="checkbox"/> Resp. to Notice Of Missing Parts | <input type="checkbox"/> Request to Correct Assignment |
| <input type="checkbox"/> Assignment & Recordation Cover Sheet | <input type="checkbox"/> Amendment/Response |
| <input type="checkbox"/> Declaration | <input type="checkbox"/> Issue Fee Transmittal |
| <input type="checkbox"/> Small Entity Statement | <input type="checkbox"/> Letter to Chief Draftsperson |
| <input checked="" type="checkbox"/> IDS, PTO-1449, and cited references A-H | <input type="checkbox"/> Formal Drawings: __ sheets |
| <input type="checkbox"/> Express Mail No. | <input type="checkbox"/> Maintenance Fee Payment |
| <input type="checkbox"/> Check in the amount of \$ _____ | <input type="checkbox"/> Request for Certificate of Correction |
| <input type="checkbox"/> Other: | <input type="checkbox"/> Notice of Appeal |



21816/04464/DOCS/1142563.1



Approved for use through xx/xx/xx, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



PATENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANTS: Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
EXAMINER: Not yet known
GROUP ART UNIT: ~~2759~~ 2131
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: 2/21/01

By: *a.c. Smith*
Albert C. Smith, Reg. No.: 20,355

COMMISSIONER FOR PATENTS
WASHINGTON, DC. 20231

INFORMATION DISCLOSURE STATEMENT
Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. A copy is enclosed herewith of each listed reference which may be material to the examination of this application, and with respect to which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).

The Information Disclosure Statement submitted herewith is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first official action on the merits, whichever event last occurred; OR
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either:
- (1) a final action under 37 CFR § 1.113; OR
 - (2) a notice of allowance under 37 CFR § 1.311; AND
- ☐ attached hereto is the fee of \$180, as set forth under 37 CFR § 1.17(p), for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement.
- OR
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either:

- [1] a final action under 37 CFR § 1.113; OR
- [2] a notice of allowance under 37 CFR § 1.311; AND
- in accordance with the requirements of 37 CFR § 1.97(d):
- ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND
- ☐ Applicant hereby respectfully petitions for the consideration of the accompanying Information Disclosure Statement under 37 CFR § 1.97(d)(2); AND
- ☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

☒ Applicant submits that no fee is required for the consideration of the accompanying Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: _____

2/21/01

By: _____

A.C. Smith

Albert C. Smith, Reg. No.: 20,355
Fenwick & West LLP
Two Palo Alto Square
Palo Alto, CA 94306
Tel.: (650) 858-7296
Fax.: (650) 494-1417

21816/04464/DOCS/1142558.1



FORM PTO-1449 (REV. 6-89) INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	Attorney's Docket No. 21816-04464	Serial No. 09/503,975
		Applicant Pawan Goyal	
	Filing Date February 14, 2000	Group Art Unit 2759	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A	Goyal, P. et al., "Start-time Fair Queuing: A Scheduling Algorithm for Integrated Services Packet Switching Networks," Proceedings of ACM SIGCOMM '96, San Francisco, CA, August 1996, 14 pages
	B	János, T., "Notes on 'A Hierarchical CPU Scheduler for Multimedia Operating Systems' by Pawan Goyal, Xingang Guo and Harrick Vin," [online], [retrieved on 5-8-2000]. Retrieved from the internet: <URL: http://cs.cornell.edu/Info/Courses/Spring-97/CS614/goy.html >
	C	Goyal, P., "Packet Scheduling Algorithms for Integrated Services Networks," PhD Dissertation, University of Texas, Austin, TX, August 1997
	D	Pending United States patent application entitled "Providing Quality of Service Guarantees to Virtual Hosts," serial number 09/452,286, filing date November 30, 1999
	E	Pending United States patent application entitled "Selective Interception of System Calls," serial number 09/499,098, filing date February 4, 2000
	F	Pending United States patent application entitled "Dynamic Scheduling of Task Streams in a Multiple-Resource System to Ensure Task Stream Quality of Service," serial number 09/498,450, filing date February 4, 2000
	G	Pending United States patent application entitled "Disambiguating File Descriptors," serial number 09/500,212, filing date February 8, 2000
	H	Pending United States patent application entitled "Restricting Communication Between Network Devices on a Common Network," serial number 09/502,155, filing date February 11, 2000

EXAMINER

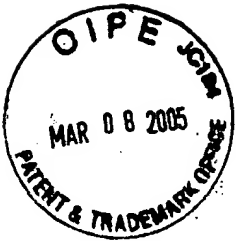
DATE CONSIDERED

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to applicant.

PTO-1449

REV: 02/01

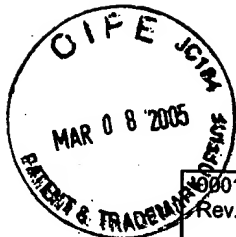
21816/04464/DOCS/1145394.1



Date Mailed: 2-20-04 | Atty/Par: SAT/klm | Filing Date: February 14, 2000
Application No.: 09/503,975 | Docket No.: 21816-04464
Applicants: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
Please imprint Patent Office "date stamp" hereon to indicate receipt and return card to addressee.

Transmittal
IDS, PTO/SB/08A and cited references



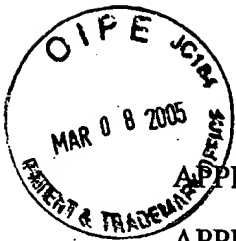


TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>		Application Number	09/503,975
		Filing Date	February 14, 2000
		First Named Inventor	Pawan Goyal
		Group Art Unit Number	2134
		Examiner Name	Thomas M. Ho
Total Number of Pages in This Submission	5*	Attorney Docket Number	21816-04464

ENCLOSURES (check all that apply)	
<input type="checkbox"/> Fee Transmittal Form (In duplicate) <input type="checkbox"/> Check Enclosed	<input type="checkbox"/> Issue Fee Transmittal
<input checked="" type="checkbox"/> Return Receipt Postcard	<input type="checkbox"/> Letter to Chief Draftsperson
<input type="checkbox"/> Response to Notice to File Missing Parts	<input type="checkbox"/> Formal Drawing(s): [] Sheet(s) of Figure(s) []
<input type="checkbox"/> Assignment & Recordation Cover Sheet	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Declaration	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Power of Attorney	<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Application Data Sheet	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input checked="" type="checkbox"/> Copies of IDS Cited References	<input type="checkbox"/> _____
<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> _____
<input type="checkbox"/> Request for Correction of Recorded Assignment	<input type="checkbox"/> _____
<input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final	<input type="checkbox"/> _____
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<input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> _____
REMARKS: *Total Number of Pages in This Submission does not include cited references.	

SIGNATURE OF ATTORNEY OR AGENT		
Signature:	<i>Sabra-Anne Truesdale</i>	
Attorney/Reg. No.:	Sabra-Anne Truesdale, Reg. No. P-55,687	Dated: 2-20-04

CERTIFICATE OF MAILING		
I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.		
Signature:	<i>Sabra-Anne Truesdale</i>	
Typed or Printed Name:	Sabra-Anne Truesdale	Dated: 2-20-04
Express Mail Mailing Number (optional):		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Thomas M. Ho
GROUP ART UNIT: 2134
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated: 2-20-04

By: Sabra-Anne Truesdale
Sabra-Anne Truesdale, Reg. No. P-55,687

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
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foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

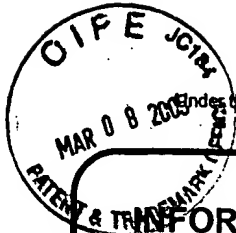
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No.[APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 2-20-04

By: Sabra-Anne Truesdale
Sabra-Anne Truesdale, Reg. No. P-55,687
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7187
Fax.: (650) 938-5200



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known.**

Application No.	09/503,975
Filing Date	February 14, 2000
First Named Inventor	Pawan Goyal
Art Unit	2134
Examiner Name	Thomas M. Ho
Attorney Docket Number	21816-04464

Sheet	1	of	1
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-5,572,680	11-05-1996	Ikeda et al.
	A2	US-5,727,203	03-10-1998	Hapner et al.
	A3	US-5,864,683	01-26-1999	Boebert et al.
	A4	US-5,889,996	03-30-1999	Adams
	A5	US-6,298,479B1	10-02-2001	Chessin et al.
	A6	US-6,434,742	08-13-2002	Koepele, Jr.
	A7	US-6,542,167B1	04-01-2003	Darlet et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

21816/04464/DOCS/1413189.1



Date Mailed: 10-1504 | Atty/Par. SAT/klm | Filing Date: February 14, 2000

Application No.: 09/503,975

Docket No.: 21816-04464

Applicants: Pawan Goyal

Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

Please imprint Patent Office "date stamp" hereon to indicate receipt and return card to addressee.

Transmittal

IDS, PTO/SB/08A and cited references





PTO/SB/21 (modified)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>	0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/503,975
			Filing Date	February 14, 2000
			First Named Inventor	Pawan Goyal
			Group Art Unit Number	2151
			Examiner Name	Andrew T. Caldwell
Total Number of Pages in This Submission		5*	Attorney Docket Number	21816-04464

ENCLOSURES (check all that apply)	
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<input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> _____
REMARKS: *Total Number of Pages in This Submission does not include cited references.	

SIGNATURE OF ATTORNEY OR AGENT		
Signature:	<i>Sabra Anne Truesdale</i>	
Attorney/Reg. No.:	Sabra-Anne Truesdale, Reg. No. 55,687	Dated: 10-15-04

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Signature:	<i>Sabra Anne Truesdale</i>	
Typed or Printed Name:	Sabra-Anne Truesdale	Dated: 10-15-04
Express Mail Mailing Number (optional):		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Andrew T. Caldwell
GROUP ART UNIT: 2151
ATTY. DKT. NO.: 21816-04464

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Dated: 10-15-04

By: Sabra-Anne Truesdale
Sabra-Anne Truesdale, Reg. No. 55,687

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P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

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- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☒ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing

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date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:

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under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

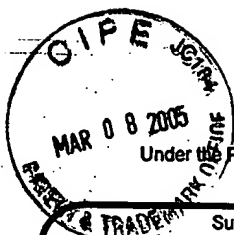
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- ☒ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. _____, filed on _____, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 CFR 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
Pawan Goyal

Dated: 10-15-04

By: Sabra Truesdale
Sabra-Anne Truesdale, Reg. No. 55,687
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7187
Fax.: (650) 938-5200



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***Complete if Known*

Application No.	09/503,975
Filing Date	February 14, 2000
First Named Inventor	Pawan Goyal
Art Unit	2151
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	21816-04464

Sheet

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of

1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.		Name of Patentee or Applicant of Cited Document
		Number - Kind Code ² (if known)	Date MM-DD-YYYY	
		US-5,189,667A	02-1993	Esaki et al.
		US-5,623,492A	04-1997	Teraslinna, Kari
		US-5,838,686A	11-1998	Ozkan, Mehmet Kemal
		US-5,889,956A	03-1999	Hauser et al.
		US-5,982,748A	11-1999	Yin et al.
		US-6,259,699B1	07-2001	Opalka et al.
		US-6,442,164B1	08-2002	Wu, Guoliang
		US-2003/0061338A1	03-2003	Stelliga, Tony

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY		

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

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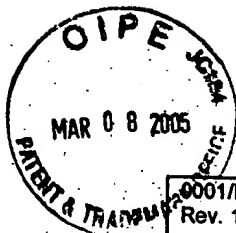
¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Date Mailed: November 10, 2003 | Atty/Sec: SAT/dkc | Filing Date: February 14, 2000
Application No.: 09/503,975 | Docket No.: 21816-04464
Applicants: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
Please imprint Patent Office "date stamp" hereon to indicate receipt and return card to addressee.

Transmittal
IDS, PTO/SB/08A and cited references





PTO/SB/21 (modified)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

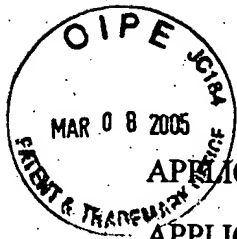
TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>	0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/503,975
			Filing Date	February 14, 2000
			First Named Inventor	Pawan Goyal
			Group Art Unit Number	2134
			Examiner Name	Thomas M. Ho
Total Number of Pages in This Submission		5*	Attorney Docket Number	21816-04464

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REMARKS: *Total Number of Pages in This Submission does not include cited references.

SIGNATURE OF ATTORNEY OR AGENT		
Signature:		
Attorney/Reg. No.:	Jeffrey Brill, Reg. No. 51,198	Dated: 11/10/03

CERTIFICATE OF MAILING		
I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.		
Signature:		
Typed or Printed Name:	Jeffrey Brill	Dated: 11/10/03
Express Mail Mailing Number (optional):		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Thomas M. Ho
GROUP ART UNIT: 2134
ATTY. DKT. NO.: 21816-04464

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Dated: 11/10/03

By: Jeffrey Brill
Jeffrey Brill, Reg. No.: 51,198

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ALEXANDRIA, VA 22313-1450

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 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

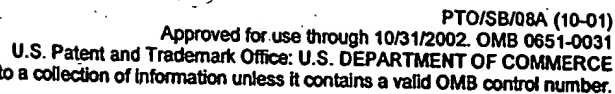
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. [APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 11/10/03

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application No.	Complete n Known 09/503,975
Filing Date	February 14, 2000
First Named Inventor	Pawan Goyal
Art Unit	2131
Examiner Name	Gail O. Hayes
Attorney Docket Number	21816-04464

Sheet	1	of	1
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

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Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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